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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/517,360 | 06/23/2005 | Tomohiro Nakano | A2-254 US | 3968 |

7590
Thomas D Paulius
Molex Incorporated
2222 Wellington Court
Lisle, IL 60532

03/17/2006

EXAMINER

NGUYEN, PHUONGCHI T

| | |
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| ART UNIT | PAPER NUMBER |
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2833

DATE MAILED: 03/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/517,360

Applicant(s)

NAKANO ET AL.

Examiner

Phuongchi Nguyen

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1, 3, 4, 6 and 7 is/are rejected.
- 7) ☒ Claim(s) 2 and 5 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3, 4 and 6-7 are rejected under 35 U.S.C. 102(b) as being anticipated by JP9-153380.

In regards to claims 1 and 7, JP9-153380 discloses (fig. 1) an IDT connector, comprising a base housing (7) having a plural of insulation displacement terminal (8) to which a plurality of wires (3) applied with outer insulation is press-fitted;

cover housing (11) which is mounted to the base housing (7), the cover housing (11) having a plural of guide holes (11a) into which the electric wires (3) are inserted;

a wire holder (12) for retaining the wires (3) to be inserted into the guide holes (11a), wherein the cover housing (11) has wire normal-position fixing means (edges between 11a, 11a) for fixing (separately) the wires (3) in a normal location within the guide holes (11a) with respect to a connection direction of the wires (3); characterized in that connection of the wires (3) to the connector is performed by displacing the wires (3), which are fixed in their normal location within the guide holes(11a) by the wire normal-position fixing means (edges between 11a, 11a), into IDT contact edges (slot between 8a, 8a) of the insulation displacement terminals (8) while retaining the wires (3) in the wire holder (12) (fig. 3).

In regards to claim 3, JP9-153380 discloses the IDT connector wherein when mounting the wires (3) in a state where the wire holder (12) is being attached on the cover housing (11), the

wire holder (12) is cable of being displaced to (a lower haft portion of the wires in) position where the wire holder (12) does not interfere with the (a upper haft portion of the) wires (3) to be inserted in the guide holes (11a).

In regards to claim 4, JP9-153380 discloses the IDT connector wherein the wire holder (12) is guided by displacement guiding portions (7a, 7c, 7c) so that the wires (3) held thereby are displaced in a parallel fashion (fig.1).

In regards to claim 6, JP9-153380 discloses the IDT connector wherein a plurality of the insulation displacement terminals (8) are provided in the base housing (7) such that adjacent terminals (8) are staggered relative to each other in a zigzag pattern with respect to a connection direction of the wires (3) (fig. 1).

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Bowen et al (US4678264) is cited generally all, except for a plurality of wires applied with outer insulation is press-fitted and the cover housing having a plural of guide holes into which the electric wires are inserted.

Allowable Subject Matter

4. Claims 2 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter:

In regards to claim 2, none of prior art can combine or suggest the IDT connector wherein the wire normal-position fixing means includes a tapered bore disposed on inner

surfaces of the guide holes, diameters of which gradually decrease relative to diameter of the wires.

In regards to claim 5, none of prior art can combine or suggest the IDT connector wherein a protective guide plate for protecting the electric wire is provided in an area where the wire holder that is descended crosses the guide holes, and the electric wires are covered with the protective guide plate.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchi Nguyen whose telephone number is (571) 272-2012. The examiner can normally be reached on 8:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PCN

February 28, 2006


TULSIDAS C. PATEL
SUPERVISORY PATENT EXAMINER